

DERWENT-ACC-NO: 1997-522176

DERWENT-WEEK: 199748

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TITLE: Core-sheath type composite fibre of
nylon and polyester e.g. for ski wear - comprises sheath
component of poly:hexa:methylene di:amine
copolymerised with epsilon-caprolactam, and core
component of polyethylene
amount of phthalate copolymerised with specific
5-sulpho:isophthalate

PATENT-ASSIGNEE: TORAY IND INC[TORA]

PRIORITY-DATA: 1996JP-0059710 (March 15, 1996)

PATENT-FAMILY:

| PUB-NO | PAGES | PUB-DATE | MAIN-IPC |
|---------------|-------------|--------------------|----------|
| JP 09250029 A | | September 22, 1997 | |
| 005 | D01F 008/14 | | |

N/A

*Sheath-nylon - undyed
core - PET - dyed*

*color fast
wash fast*

APPLICATION-DATA:

| PUB-NO | APPL-DATE | APPL-DESCRIPTOR | APPL-NO |
|----------------|----------------|-----------------|---------|
| JP 09250029A | | N/A | |
| 1996JP-0059710 | March 15, 1996 | | |

INT-CL (IPC): D01F008/14, D06P003/00 , D06P003/82

ABSTRACTED-PUB-NO: JP 09250029A

BASIC-ABSTRACT:

The composite fibre comprises sheath component of a
polyhexamethylene diamine
copolymerised with epsilon -caprolactam, and core component
of a polyethylene
phthalate copolymerised with K mol% of

5-sulphoisophthalate, satisfying the following equations: $5.2 - 0.08R$ at most K at most 9.2 - $0.08R$ (I); (15 at most R at most 40 (II) (where R wt.%).

Preferably the sheath component does not preferably contain substantially delustering agent of titanium oxide. The composite fibre is dyed with a cationic dye to dye the core component and not to dye sheath component.

USE - The component fibre is used for clothes having a clear dyed colour, e.g. for ski wear, swimming wear, casual wear, etc..

ADVANTAGE - The composite fibre has a clear dyed colour, dyefastness, durability for washing, and improved peeling strength for the core component and the sheath component.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: CORE SHEATH TYPE COMPOSITE FIBRE NYLON
POLYESTER SKI WEAR COMPRISE

SHEATH COMPONENT POLY HEXA METHYLENE DI AMINE
COPOLYMERISE EPSILON

CAPROLACTAM CORE COMPONENT POLYETHYLENE
PHTHALATE COPOLYMERISE

SPECIFIC AMOUNT SULPHO ISOPHTHALATE

DERWENT-CLASS: A23 A83 F01

CPI-CODES: A05-E01B3; A05-F01E1; A12-S05B; F01-D03;
F01-D04; F01-E01;

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

018 ; E19 E00 E20 D11 D10 D19 D18 D32 D76 D50 F62 D93
F41*R ; S9999

S1127 S1116 S1105 S1070 ; H0011*R ; P1978*R P0839 D01
D50 D63 F41

Polymer Index [1.2]

018 ; B9999 B4262 B4240 ; Q9999 Q7056*R ; Q9999 Q9085
Q9052 ; Q9999

Q9052*R ; B9999 B5287 B5276 ; B9999 B3429 B3418 B3372 ;
ND04 ; ND10

; B9999 B5301 B5298 B5276
Polymer Index [1.3]
018 ; N9999 N5787*R N5765
Polymer Index [1.4]
018 ; D01 ; A999 A099 A077 ; K9643 K9621
Polymer Index [2.1]
018 ; R00776 G2084 D01 D23 D22 D31 D41 D50 D77 D86 F71
; R01062
G1672 G1649 D01 D11 D10 D50 D86 F09 F07 ; S9999 S1138
S1116 S1105
S1070 ; H0022 H0011 ; P0055 ; P1934*R P0635 D01 D50 F70
Polymer Index [2.2]
018 ; B9999 B4262 B4240 ; Q9999 Q7056*R ; Q9999 Q9085
Q9052 ; Q9999
Q9052*R ; B9999 B5287 B5276 ; B9999 B3429 B3418 B3372 ;
ND04 ; ND10
; B9999 B5301 B5298 B5276
Polymer Index [2.3]
018 ; R01966 D00 F20 Ti 4B Tr O* 6A ; A999 A088 A077

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers:

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